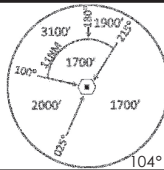


**INSTRUMENT APPROACH CHART**

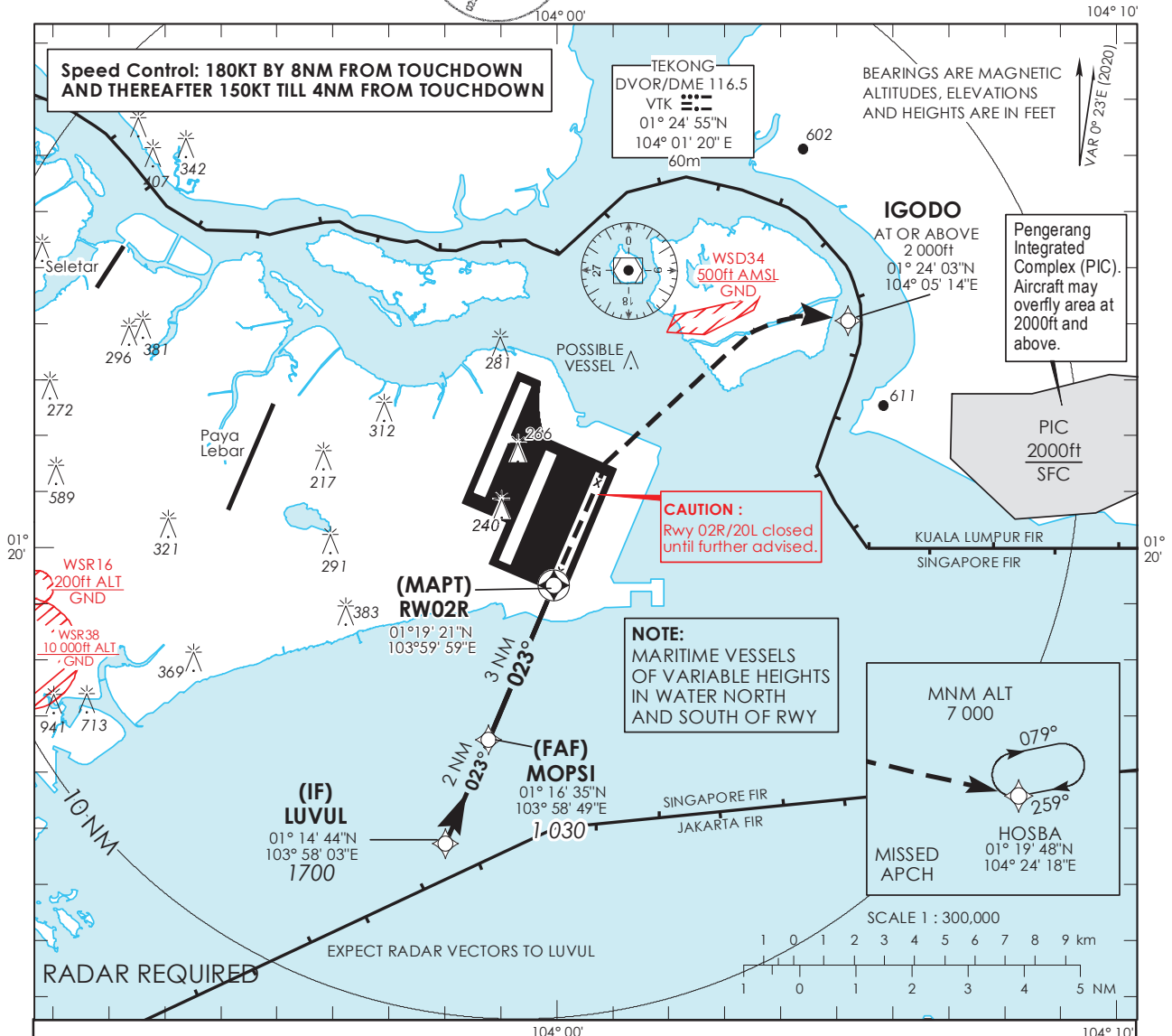
AERODROME ELEV **22ft**  
HEIGHT RELATED TO  
THR RWY 02R - ELEV **16ft**



MSA 25 NM from TERKONG DVOR

D-ATIS	AP ID WSSS
APP	128.025
TWR	124.05
	119.3
	131.4

**SINGAPORE/ SINGAPORE CHANGI RNP RWY 02R**

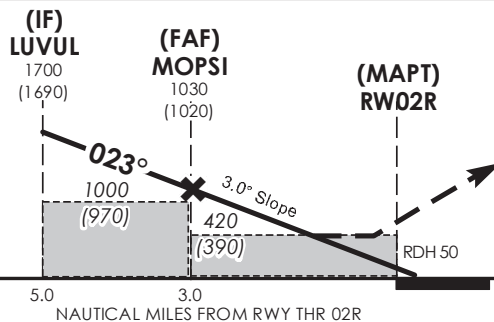


- This procedure requires a missed approach climb gradient of 5% (304 ft/NM) until passing 2,000ft. MAX IAS 185kts during turning missed approach.
- For aircraft which can only achieve a 2.5% (152 ft/NM) climb gradient, the OCA (OCH) is 820ft (800ft) and aircraft shall climb straight to 1200ft before commencing right turn climbing to 7000ft or above to HOSBA.

Transition Level : FL 130  
Transition Alt : 11 000

MINIMUM TEMPERATURE FOR BARO-VNAV APPROACHES: 5°C

ELEV 16  
(THR RWY 02R)



MISSED APPROACH  
Climb direct to IGODO at 2 000ft or above. Thereafter, turn right climbing to 7 000ft or above to HOSBA.  
Hold at HOSBA or AS DIRECTED BY ATC.  
No turn before MAPt.

**CIRCLING NOT AUTHORIZED**

Category of Aircraft	OCA (OCH)			
	A	B	C	D
LNAV/VNAV			330 (310)	
LNAV			420 (390)	
Distance	LUVUL		MOPSI	
Altitude (Height)	1700 (1690)		1030 (1020)	
Speed	knots	70	120	150
FAF - MAPt 3.0nm	min : s *	2 : 34	1 : 30	1 : 12
Rate of descent/GS	ft/min	370	635	795

**SINGAPORE CHANGI RNP-APCH RWY 02R – Approach from LUVUL**

Path Terminator	Waypoint	Fly-Over	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed Limit (KT)	VPA/TCH(FT)	Navigation Specification
IF	LUVUL	-	023 (023.4)	-0.4	-	-	1700+	180	-	RNP APCH
TF	MOPSI	-	023 (023.4)	-0.4	2.0	-	1030+	150	-	RNP APCH
TF	RW02R	Y	023 (023.4)	-0.4	3.0	R	-	-	-3.0° / 50	RNP APCH
DF	IGODO	-	-	-0.4	-	R	2000+	185	-	RNP APCH
TF	HOSBA	-	103 (103.4)	-0.4	-	-	7000+	-	-	RNP APCH

**Waypoint Coordinates**

Name	Latitude	Longitude
LUVUL (IF)	01° 14' 44" N	103° 58' 03" E
MOPSI (FAF)	01° 16' 35" N	103° 58' 49" E
RW02R	01° 19' 21" N	103° 59' 59" E
IGODO	01° 24' 03" N	104° 05' 14" E
HOSBA	01° 19' 48" N	104° 24' 18" E